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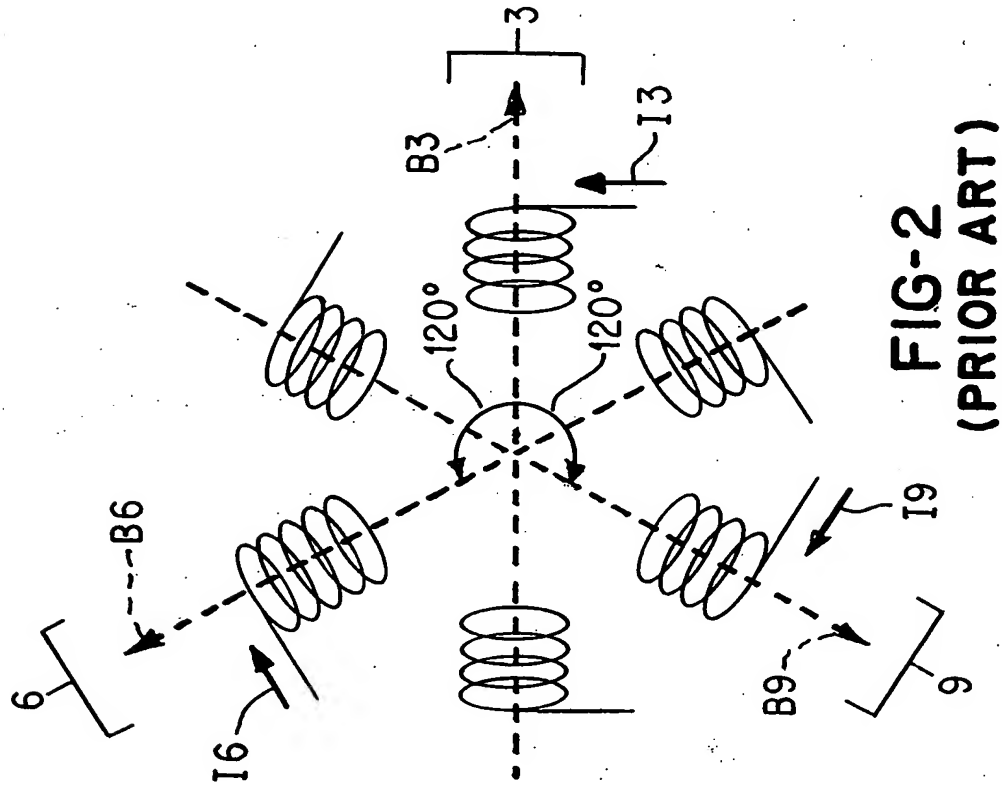
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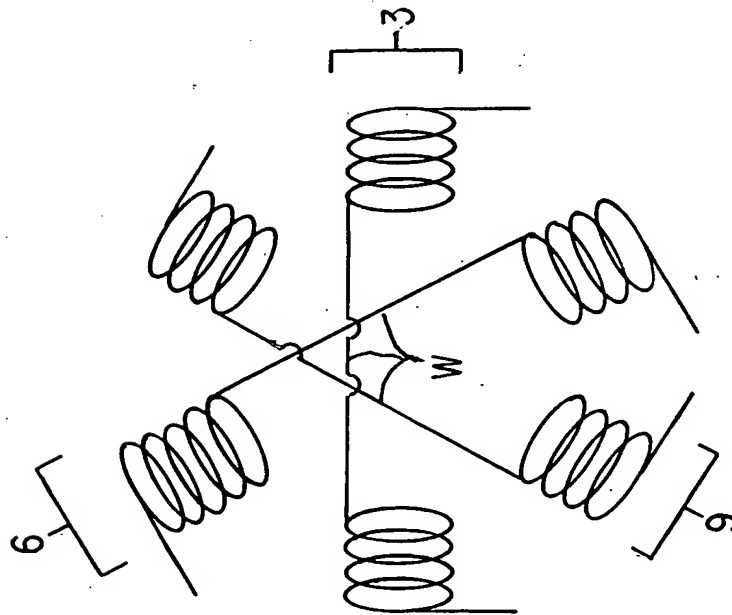


REPLACEMENT DRAWING SHEETS  
IN RESPONSE TO NOTICE TO FILE MISSING PARTS OF 2/04/2004  
Serial No. 10/698,467  
Filed October 31, 2003

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**FIG-2**  
(PRIOR ART)



**FIG-1**  
(PRIOR ART)



REPLACEMENT DRAWING SHEETS  
IN RESPONSE TO NOTICE TO FILE MISSING PARTS OF 2/04/2004  
Serial No. 10/698,467  
Filed October 31, 2003

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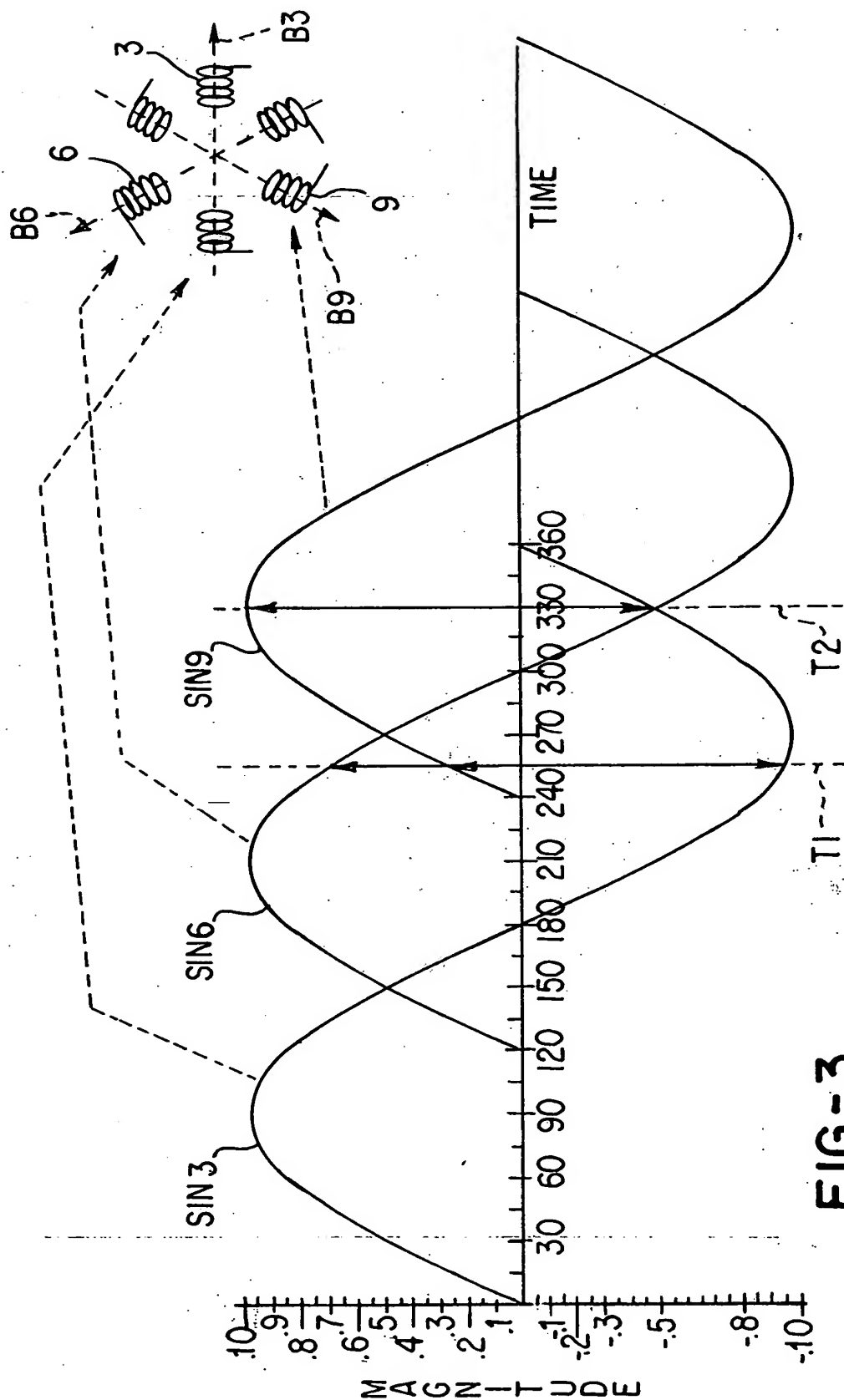
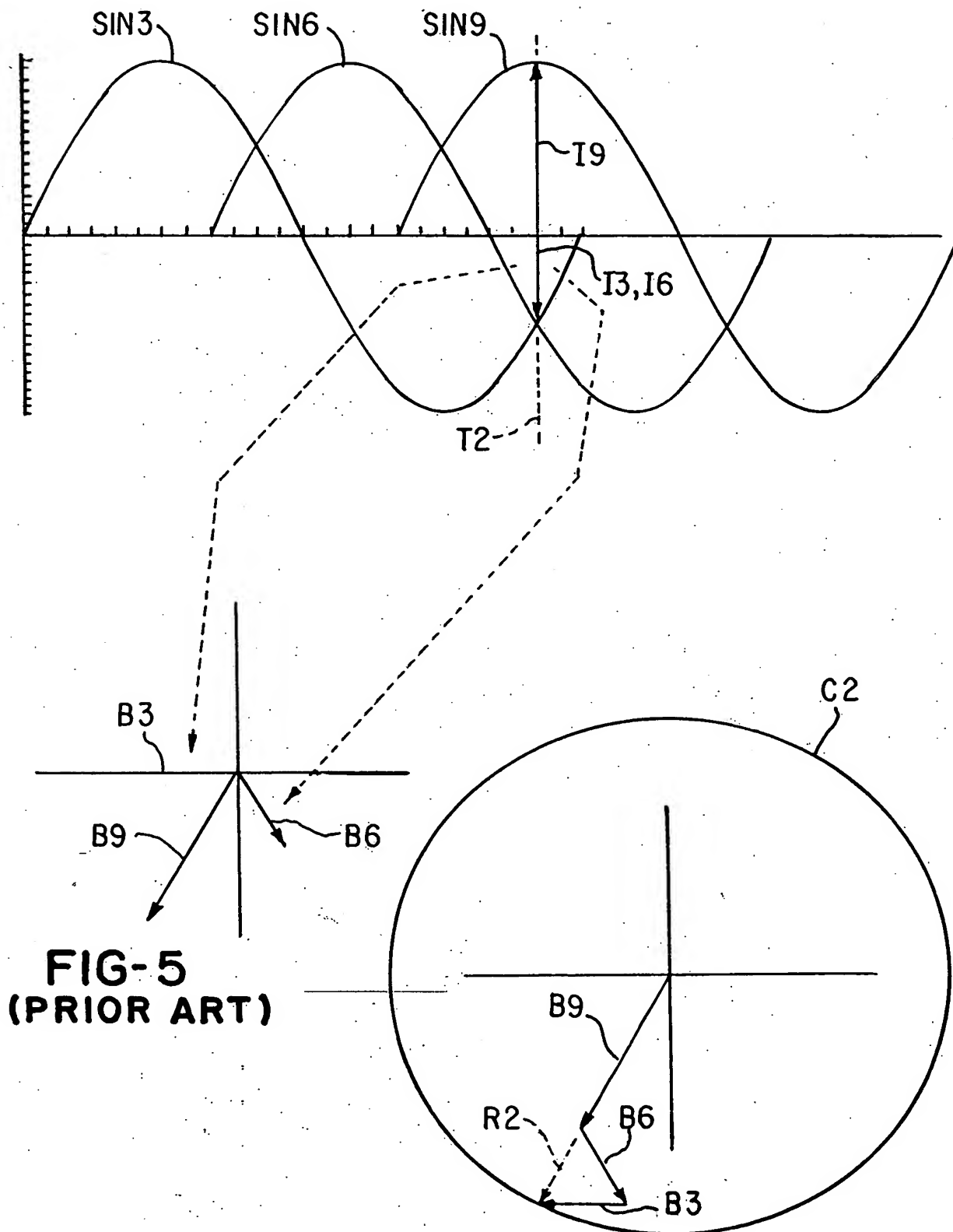
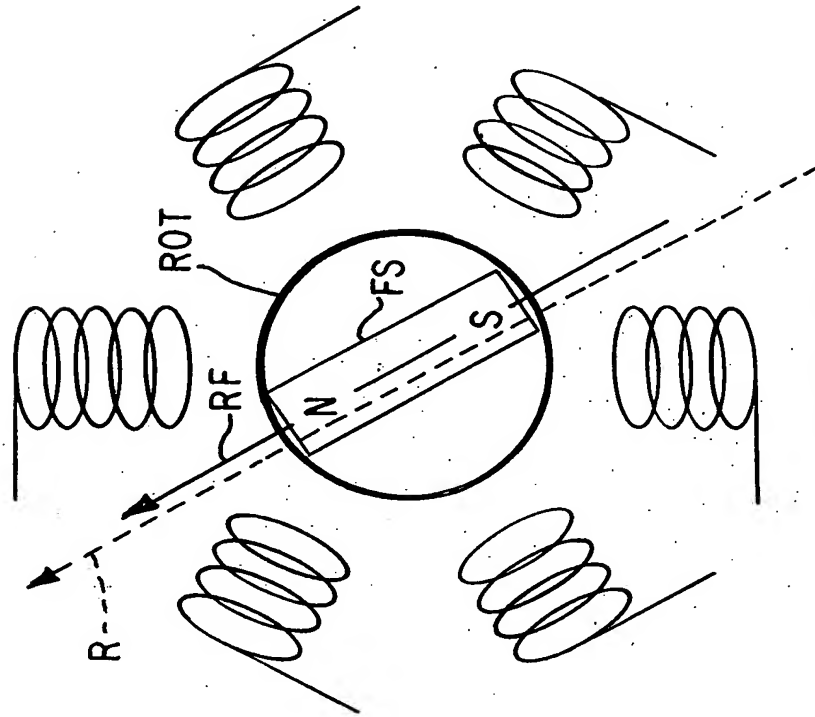


FIG-3  
(PRIOR ART)

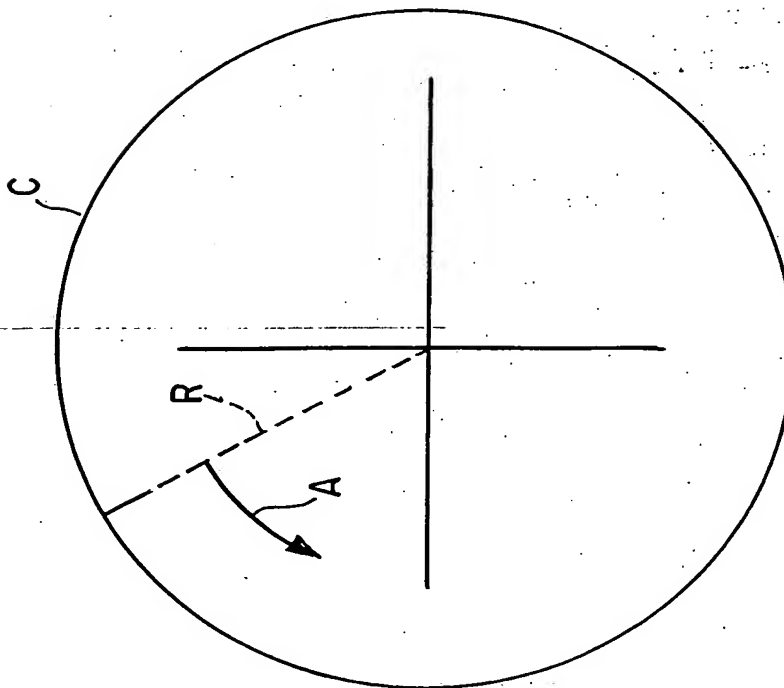




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**FIG-7**  
**(PRIOR ART)**



**FIG-6**  
**(PRIOR ART)**

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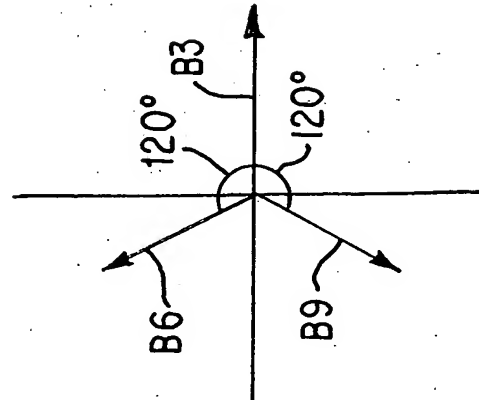
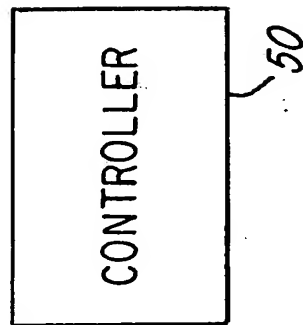
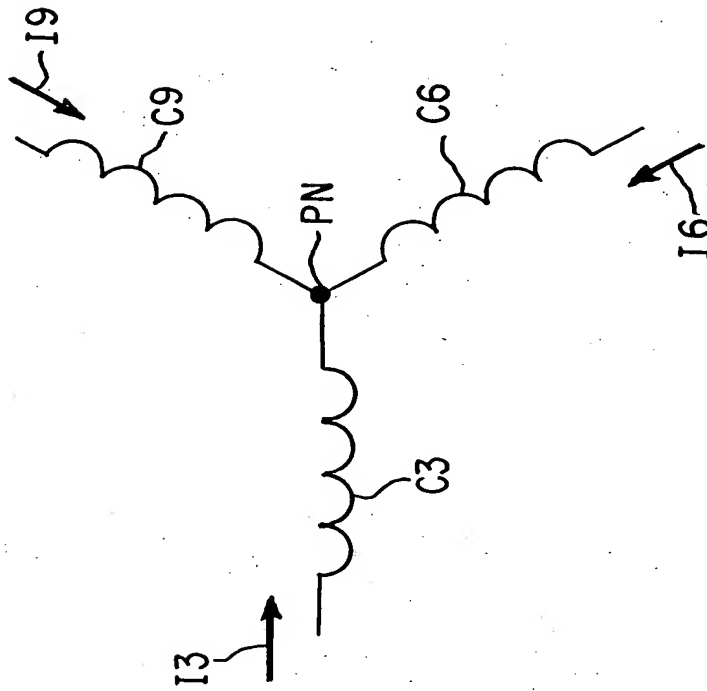
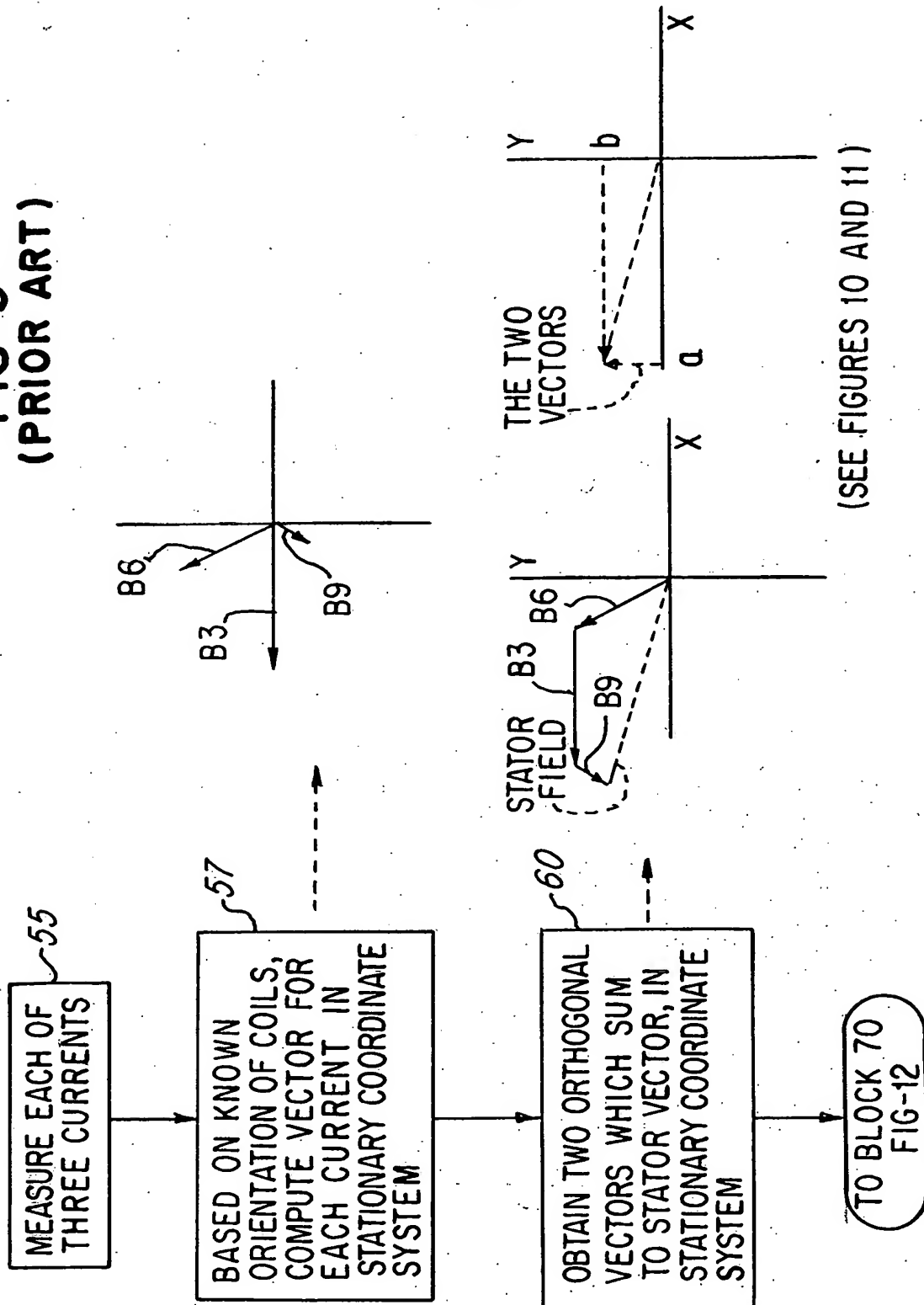


FIG-8  
(PRIOR ART)

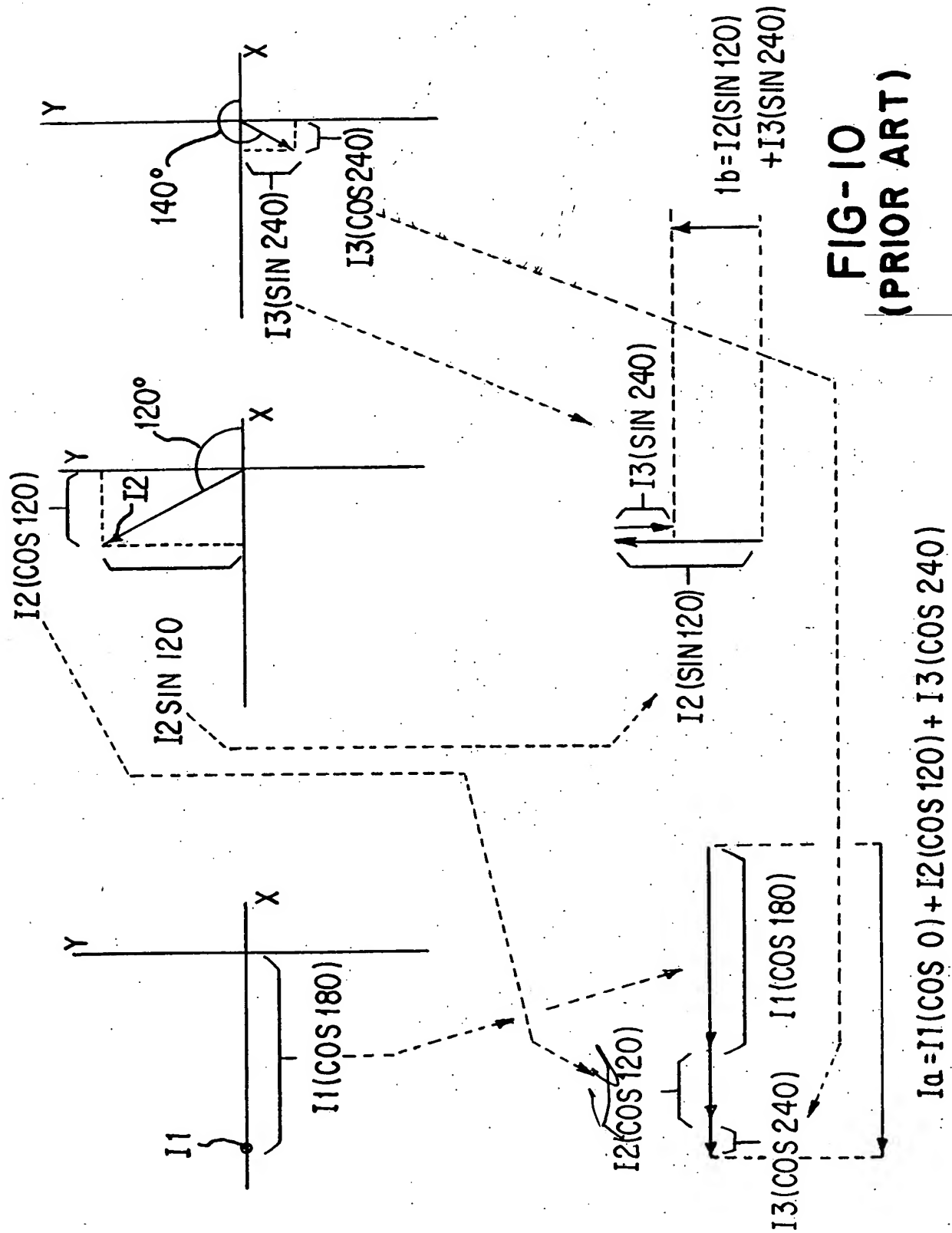
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**FIG-9  
(PRIOR ART)**

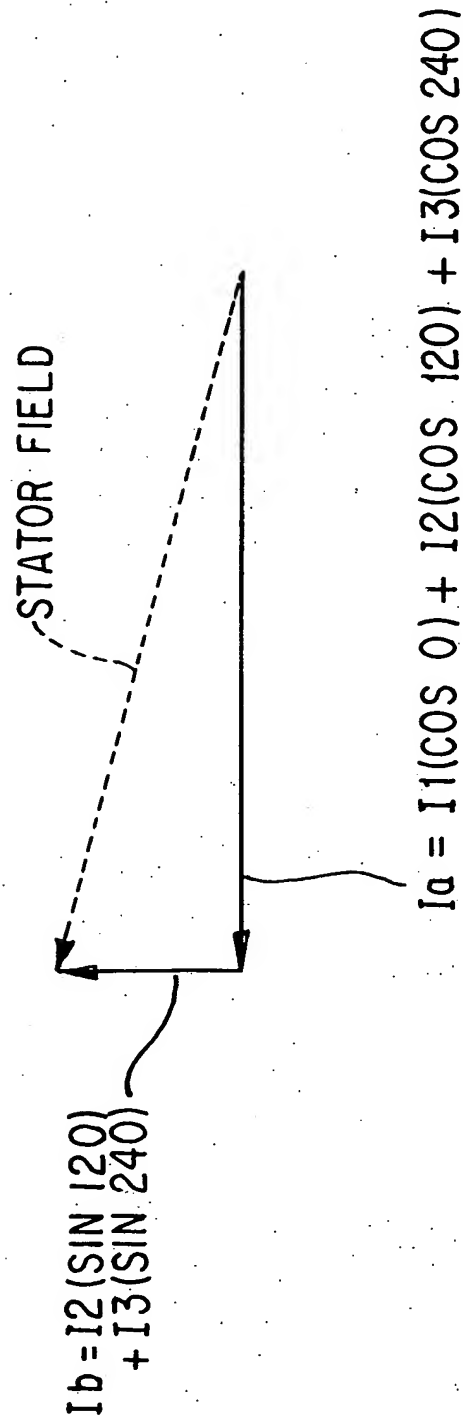




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**FIG-11**  
**(PRIOR ART)**

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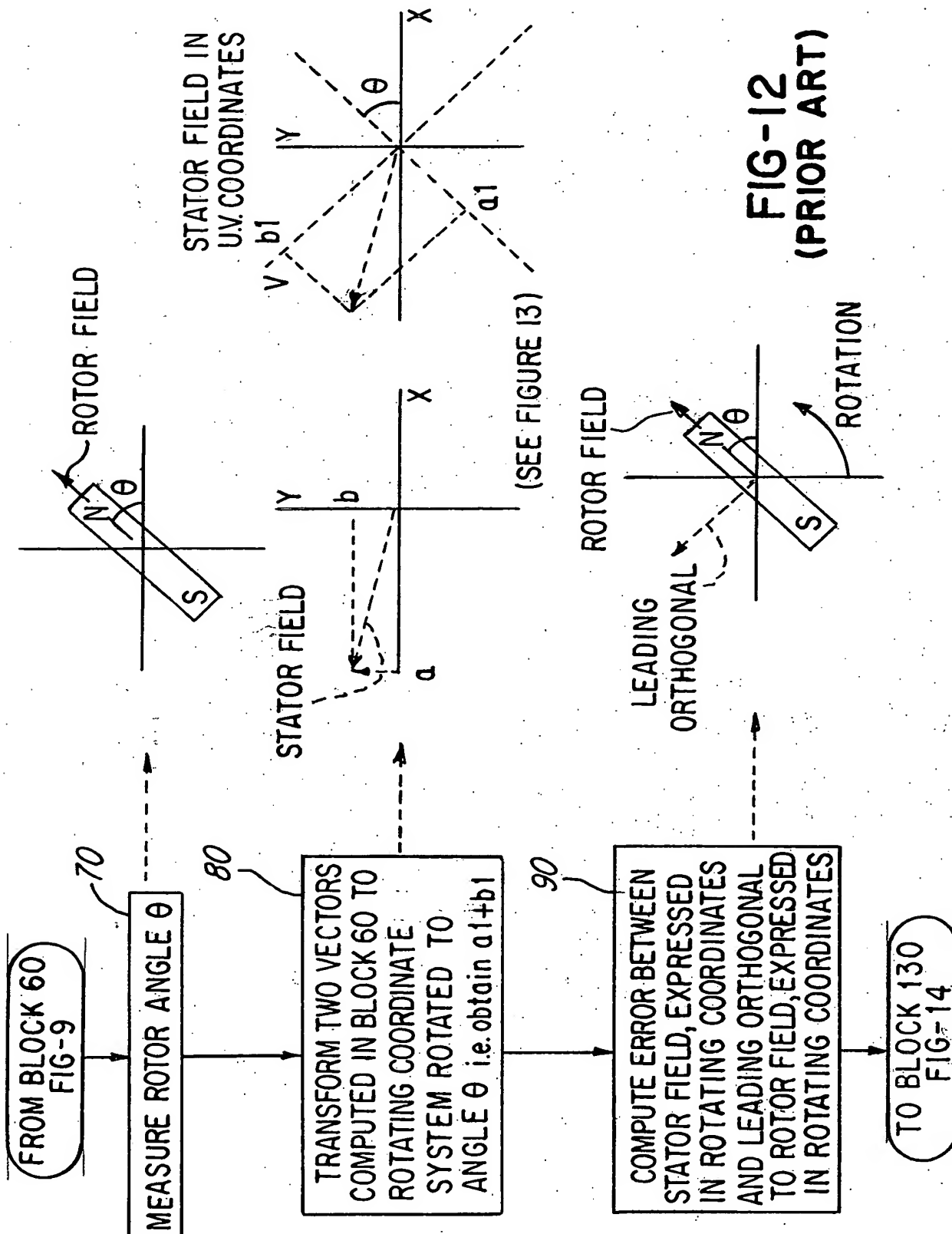
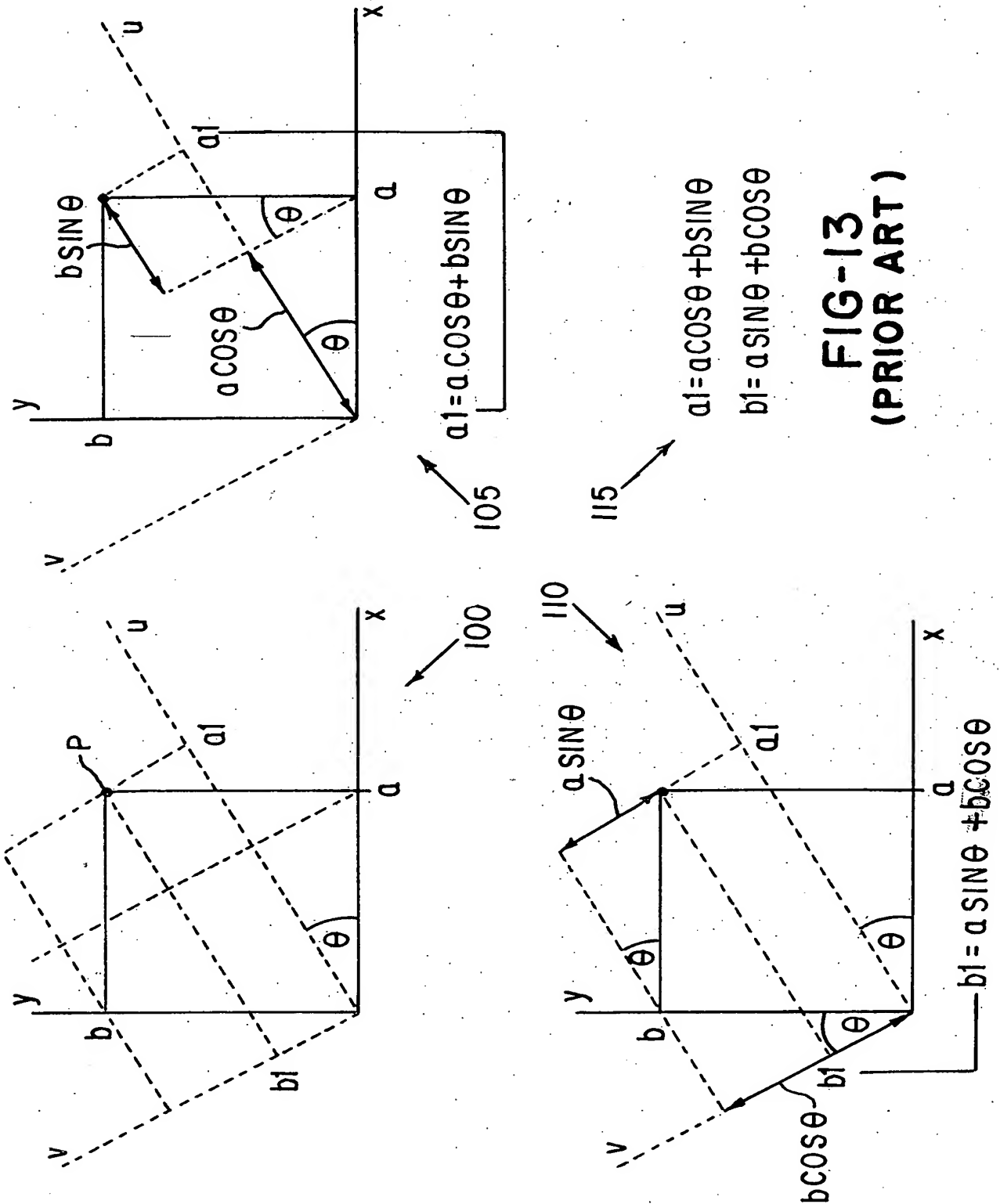
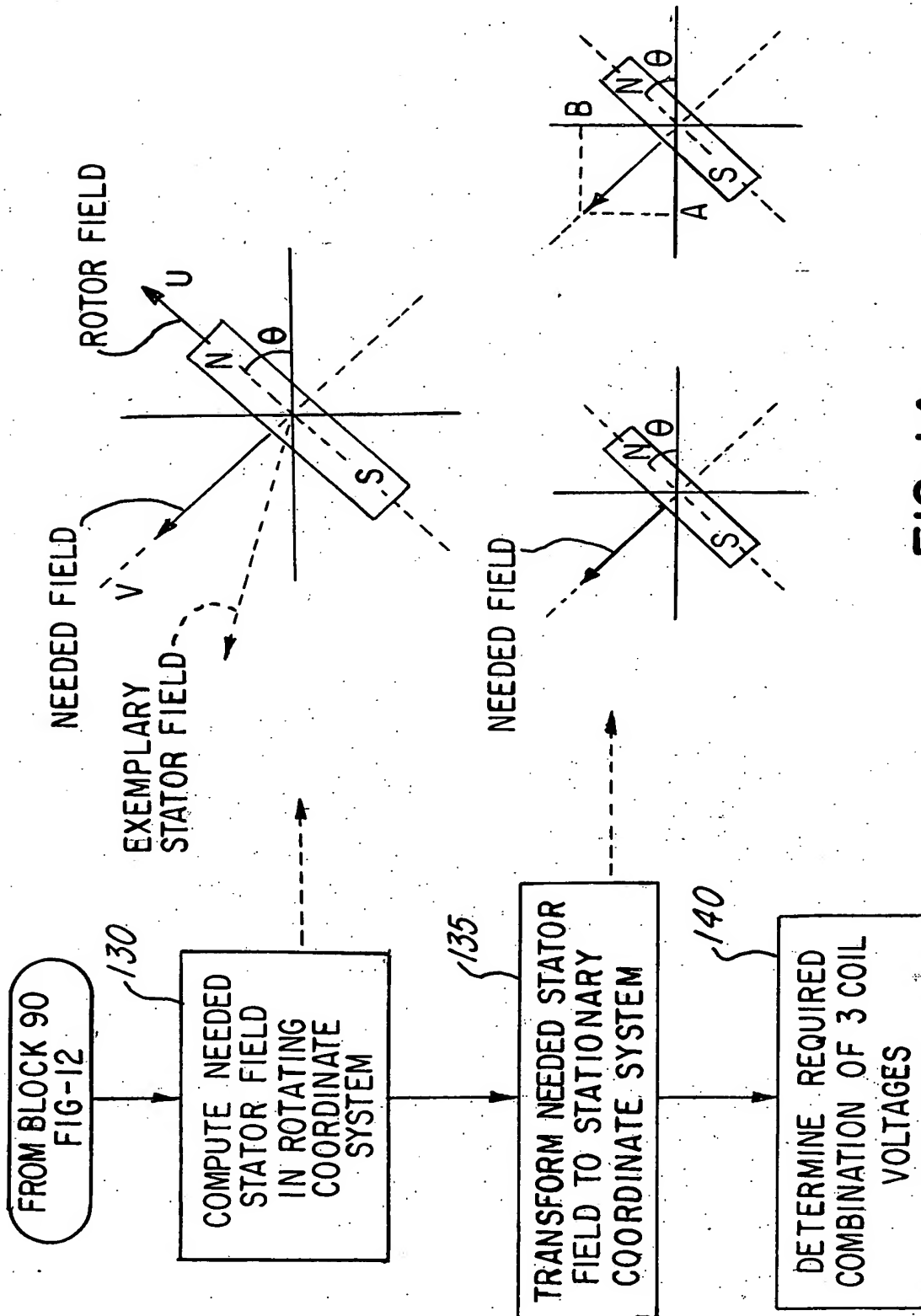


FIG-12  
(PRIOR ART)

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**FIG-14**  
**(PRIOR ART)**

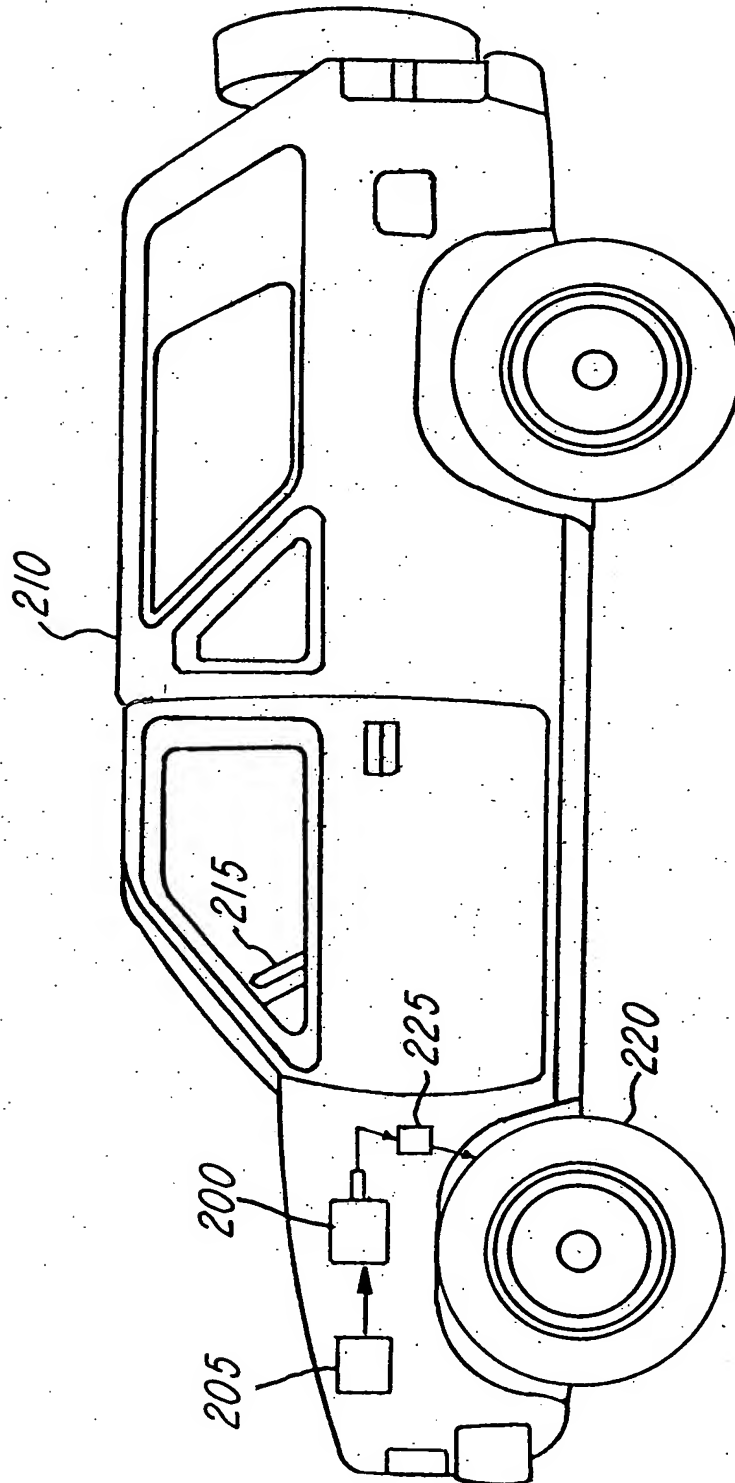


FIG-15

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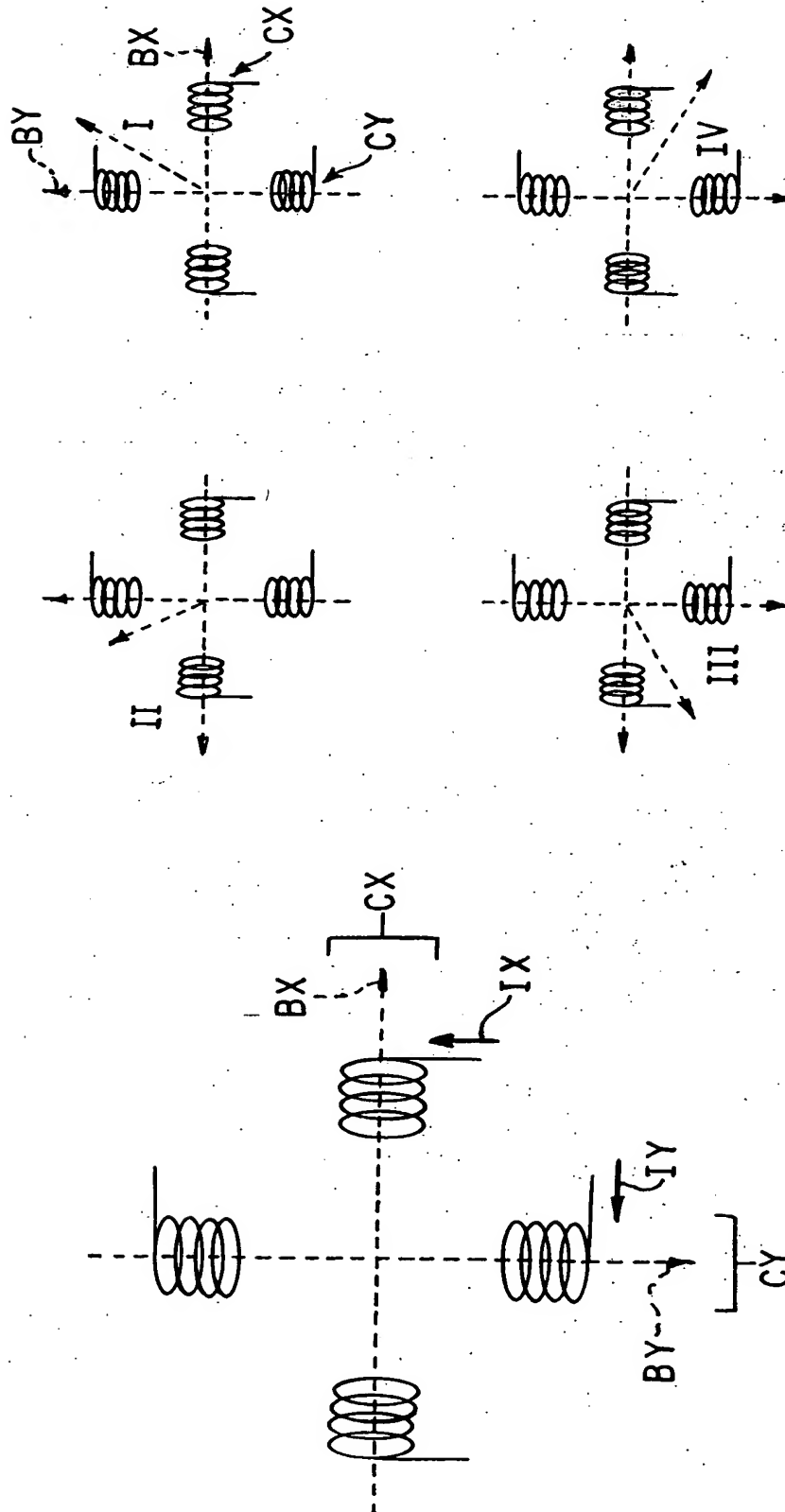


FIG-21

FIG-16

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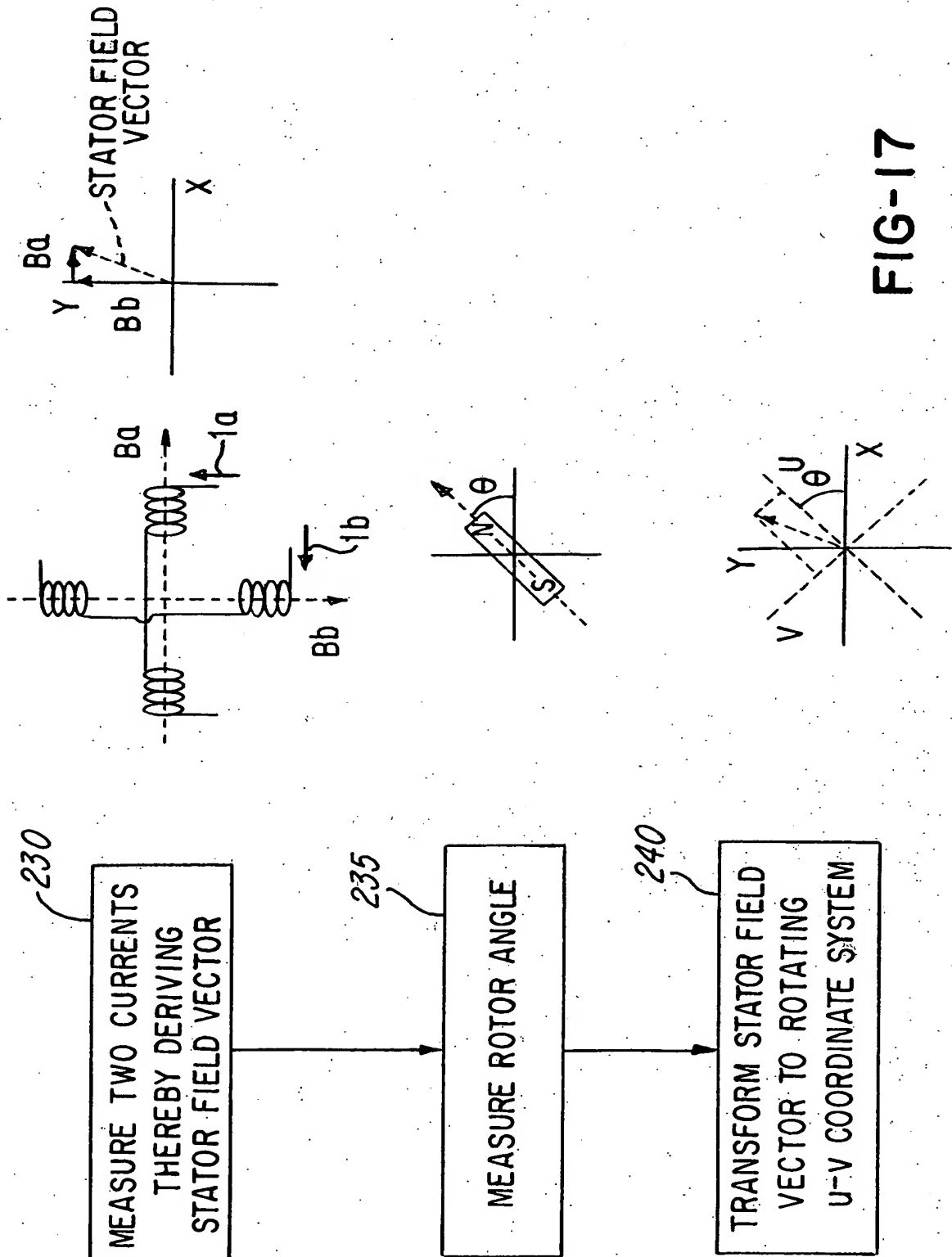


FIG-17



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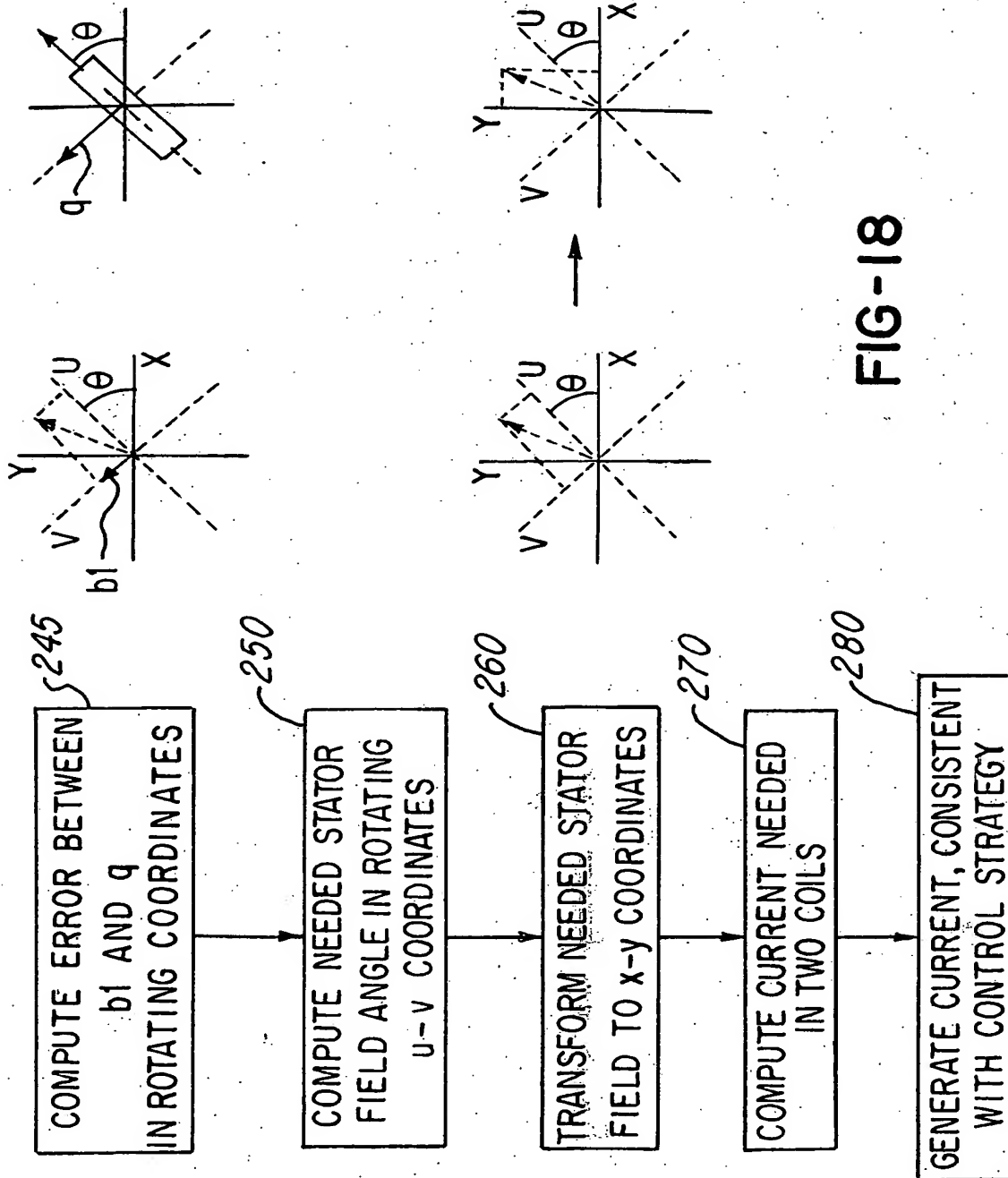
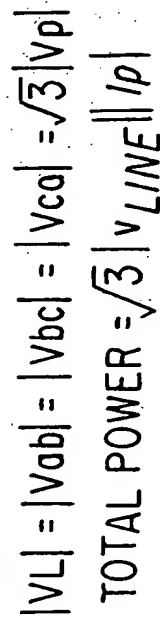
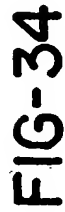


FIG-18

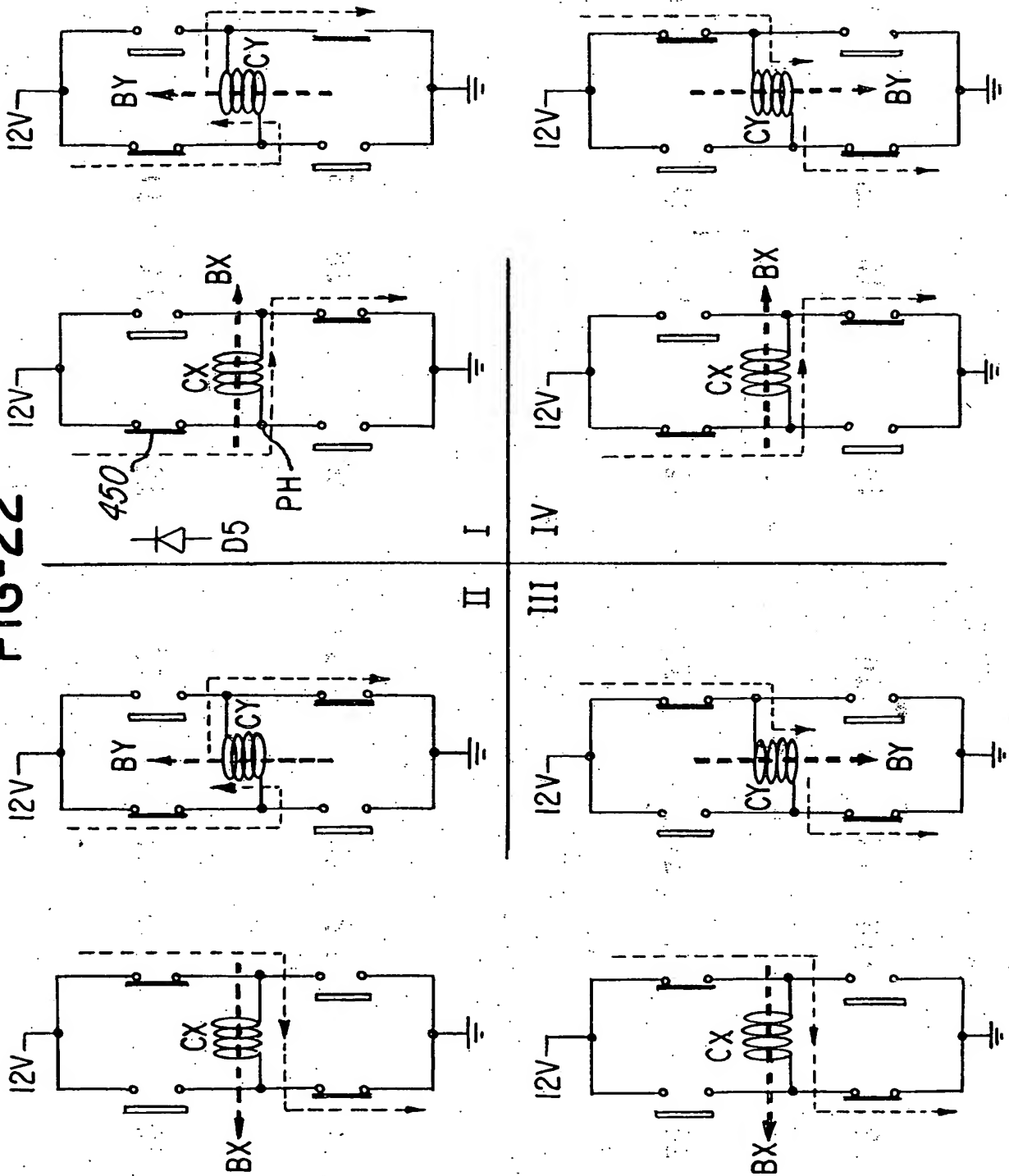


**FIG-20**  
**(PRIOR ART)**

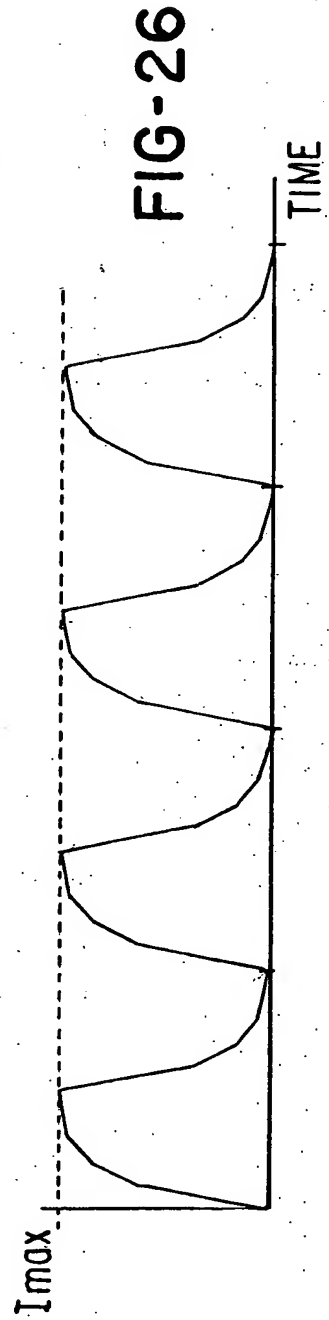
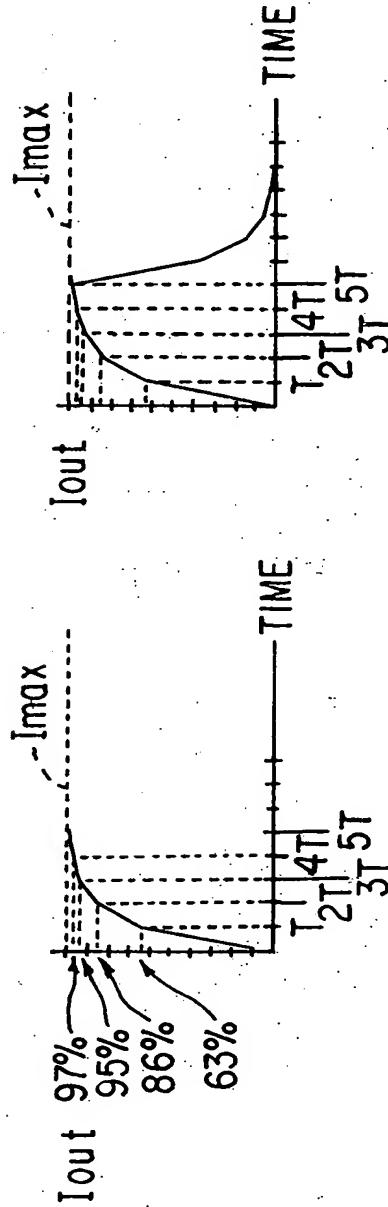
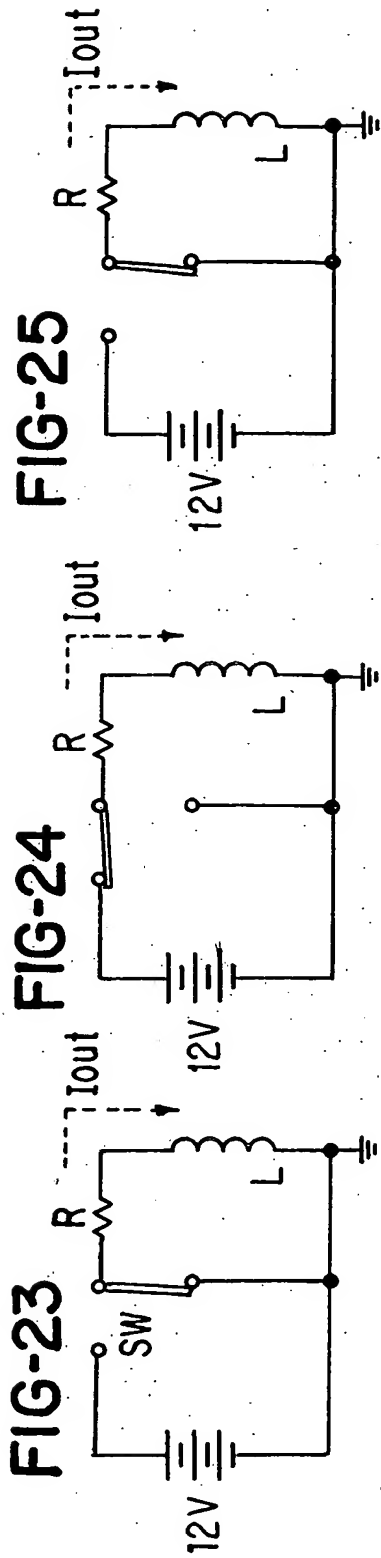


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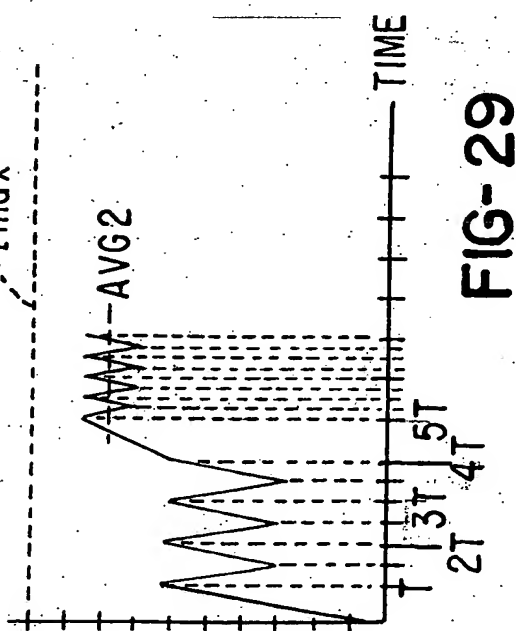
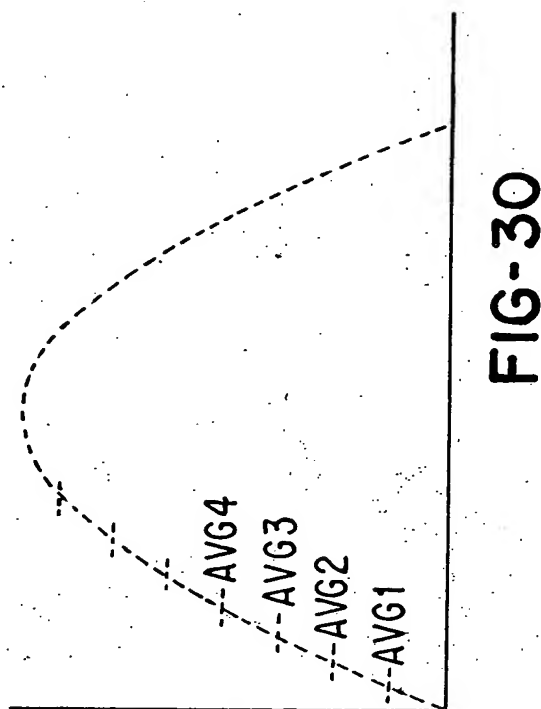
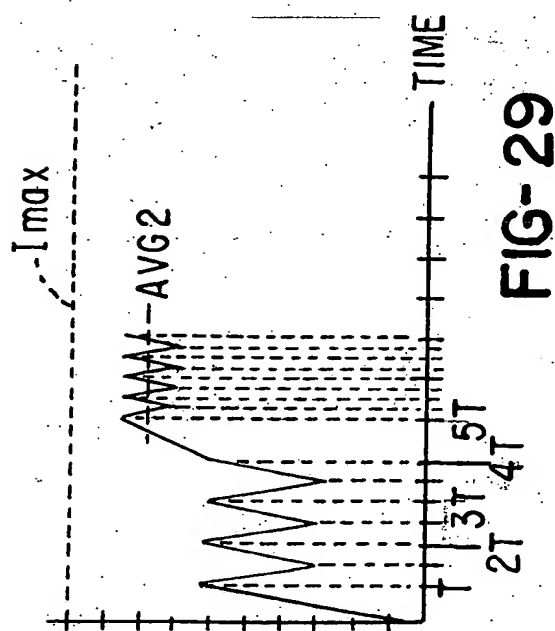
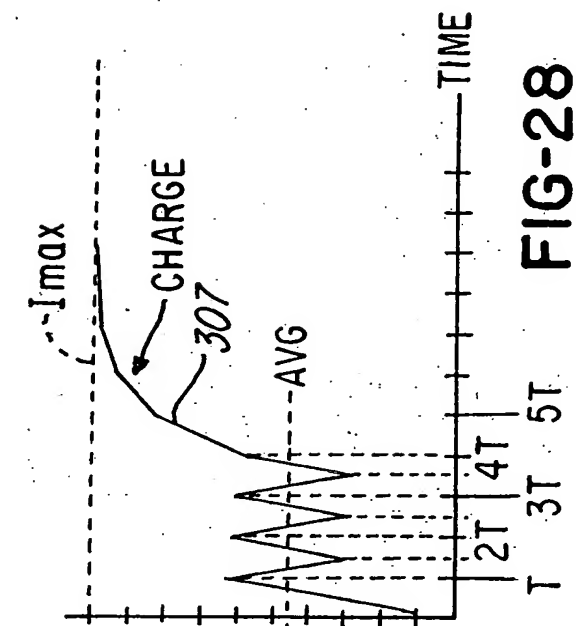
FIG-22



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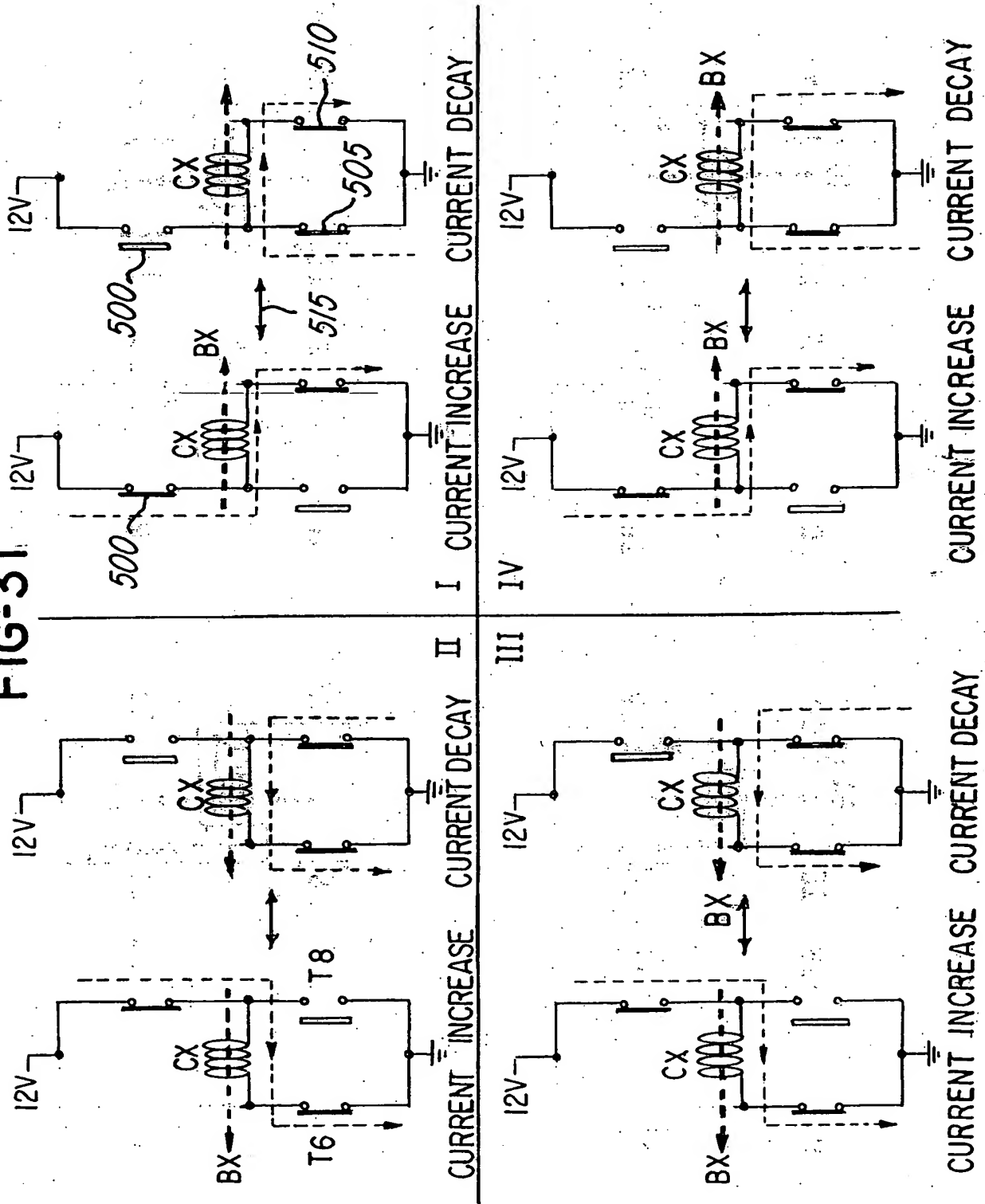


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FIG-31



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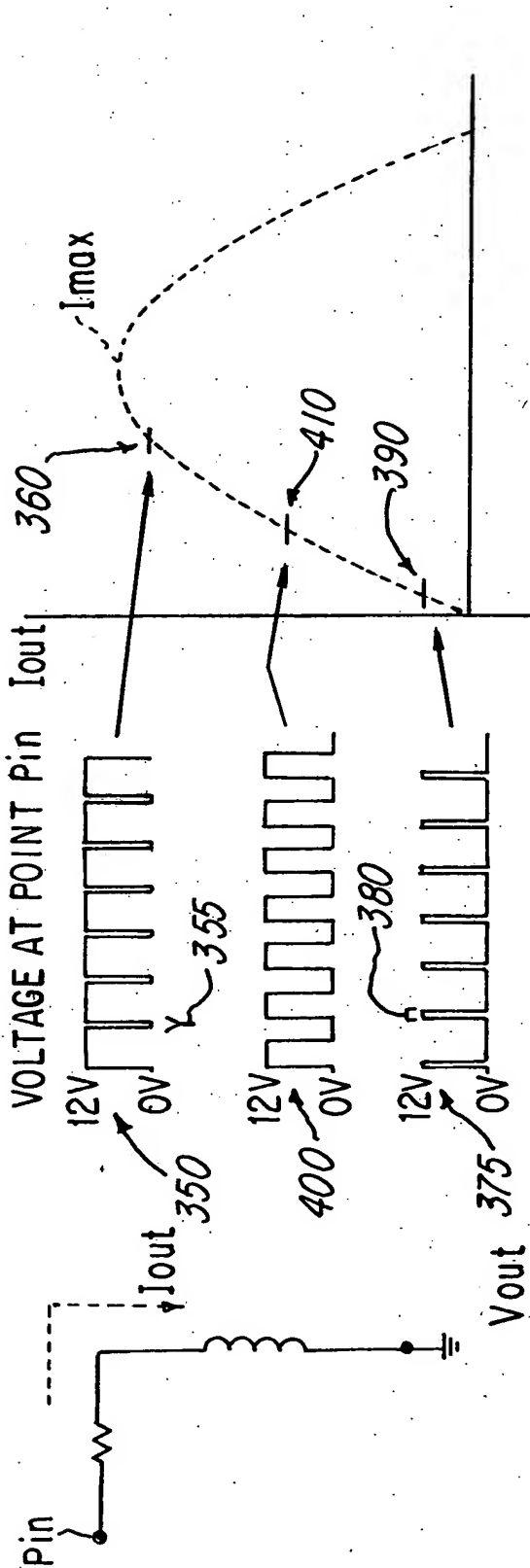


FIG-32

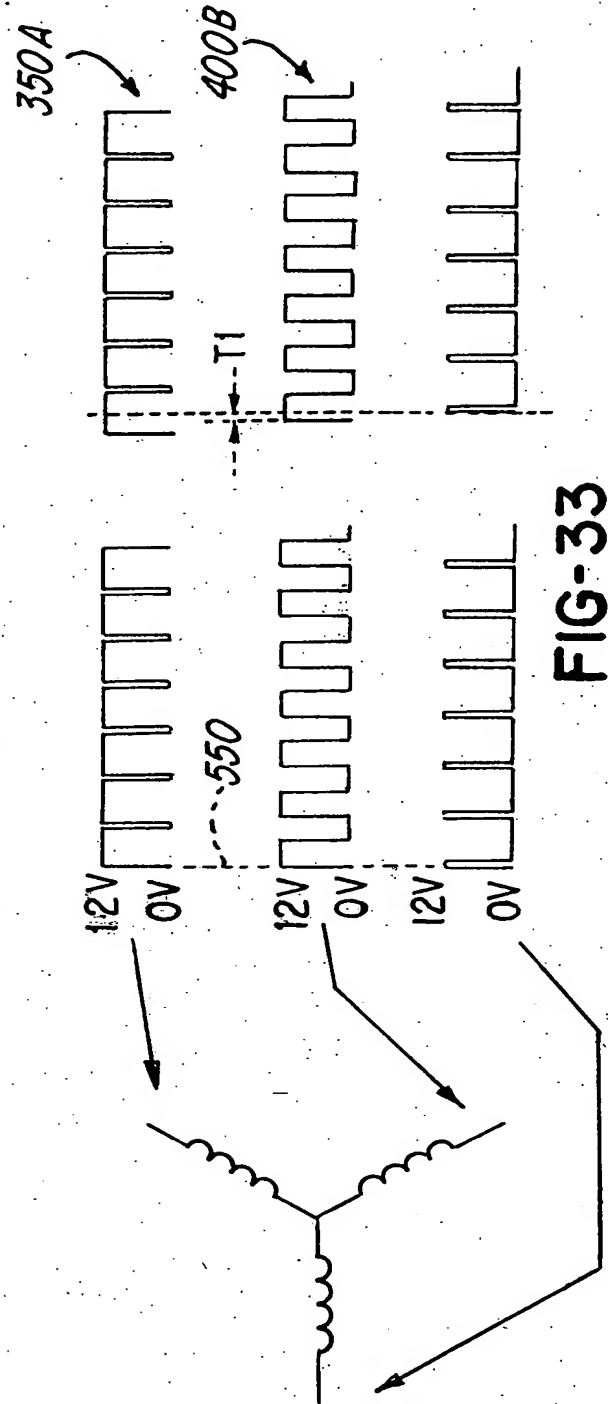


FIG-33

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FIG - 35

MOTOR TYPE	PHASES	COMMUTATION	CONTROL
BRUSH DC MOTOR	3 SLOTS	MECHANICAL	OPEN LOOP
PERMANENT MAGNET	4 SLOTS		VOLTAGE
SERIES WOUND FIELD	...		CURRENT
SHUNT WOUND FIELD	N slots		FIELD CONTROL
COMPOUND WOUND FIELD			
SWITCHED RELUCTANCE MOTOR	1	CURRENT REGULATED	OPEN LOOP
	2	VOLTAGE REGULATED	VOLTAGE
	3		CURRENT
	4		PHASE ANGLE
	n		
INDUCTION MOTOR	1	SINUSOIDAL SPACE VECTOR	OPEN LOOP
	2	TRIANGLE - SINE	CONSTANT V/HZ
	3		FOC
	n		
PIEZOELECTRIC MOTOR			
BRUSHLESS DC	2	SINE	FOC

INVENTION